METHOD FOR SURFACE REFORMATION OF BLAST FURNACE GRANULATED SLAG

Patent Number: JP4077335
Publication date: 1992-03-11
Inventor(s): SATO KAZUYOSHI; others: 02
Applicant(s): NKK CORP
Requested Patent: ☐ JP4077335
Application Number: JP19900191463 19900719
Priority Number(s):
IPC Classification: C04B5/02
EC Classification:
Equivalents:

Abstract

PURPOSE:To obtain a slag having small bulk density, high water absorptivity, excellent reactivity and large specific surface area by suspending a blast furnace granulated slag powder in a mixture of caustic alkali and alkali carbonate or alkali hydrogencarbonate, and heating.
CONSTITUTION:A blast furnace granulated slag powder is suspended in an alkali soln. and heated to reform the surface of the slag powder. The alkali soln. is a mixture soln. of caustic alkali and alkali carbonate or alkali hydrogencarbonate. By this method, the specific surface area of the reformed slag can be increased, and as a result, water absorptivity, oil absorptivity, moisture controlling property, etc., can be improved. The obtd. surface reformed slag is suitable for the material of interior structural material having light weight and design performance, water treatment material, water absorbing material, moisture absorbing material, filler, etc.